

Supplemental Table 4: P values of model comparisons

Null model to State Model	< 0.001
US State model to Ecoregion model	<0.001
Null Model to Disturbance model	<0.001
Florida to ecoregion	<0.001
Oregon to ecoregion	<0.001

Supplemental Table 5: Parameter values of curves

	A	B	C	Sigma	
All data	0.9700	3.337	0.5858	0.0688	Null Model
Oregon	0.9873	3.377	0.5596	0.0784	US State Model
Florida	0.9432	3.2075	0.6272	0.0492	
Marine West Coast Forest	0.9654	3.5127	0.6442	0.0501	Ecoregion Model
Western Cordillera	0.9958	3.2727	0.5237	0.0836	
Southeastern USA Plains	0.9376	3.3096	0.6477	0.0475	
Mississippi Alluvial and Southeast Coastal Plains	0.9475	3.1364	0.6121	0.0503	
Wildfire	0.9836	2.6202	0.6165	0.0328	Disturbance Model
Clearcut	0.9851	2.1984	0.5576	0.0192	
Herbicide	0.732	4.011	0.889	-0.469	
other mechanical	1.0039	2.8596	0.4492	0.0918	
Prescribed Fire	0.9633	3.7391	0.7263	0.0324	
Unknown	0.9454	3.3184	0.6388	0.0484	
Thinning	0.9358	4.0150	0.8209	0.0253	